MAY 2 3 2005 E

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.

10/702,046

Confirmation No.:

7395

First Named Inventor

Huaiyu PAN

Filed

November 6, 2003

TC/A.U.

: 3744

Examiner Docket No.

: R. L. LEUNG : 038871.52853US

Customer No.

: 23911

Title

Pulse Tube Refrigerator

SUBMISSION OF FORMAL DRAWINGS

Mail Stop Issue Fee

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Eleven sheets of Replacement drawings (showing Figs. 1-10) meeting the requirements of 37 C.F.R.§ 1.84 are hereby submitted.

If necessary, please charge any such fee or any deficiency in fees or credit any overpayment of fees to Deposit Account No. 05-1323, Docket No.: 038871.52853US.

Respectfully submitted,

May 23, 2005

🖊 Gary R. E⁄dwards

Registration No. 31,824

CROWELL & MORING LLP Intellectual Property Group P.O. Box 14300 Washington, DC 20044-4300

Telephone No.: (202) 624-2500 Facsimile No.: (202) 628-8844

GRE:jjh

VINCENT J. SUNDERDICK Registration No. 29,004